

CLIMATE CHANGE WORKING GROUP
Subgroup Recommendations - DRAFT

WATER CONSERVATION & REUSE

#	Title	Recommendation	GHG Reductions	Notes
1	Water Waste Enforcement	Levy fines against water abusers	44	- Assumes 10% of water users will receive fines equivalent to 15% of annual bill
2	Indoor Water Efficiency Incentives	Use sewer ratepayer funds to incentivize indoor water conservation and provide on-bill financing opportunities	88	- Solid Waste (SW) Subgroup recommended OBF part
3	Landscape Ordinance Update	Update Landscape Water Conservation Ordinance to promote more water-wise landscape designs	232	- Potential approach: Reduce Maximum AWA by 5%
4	Water Retrofit Ordinance	Develop a new Water Conservation Retrofit Ordinance to require water-savings retrofits in existing buildings at a point in time (not at point of sale)	304	- Potential approach: Tier off AB407 implementation - Reduce indoor water use in 2% of residential sq. ft. by 20%
5	Graywater Installations	Initiate a Laundry-to-Landscape installation program and simplify permit review for complex graywater systems	5,086	- SW Subgroup recommended complex GW permit part
6	Water Reuse Master Plan	Create a Water Reuse Master Plan to include storm water reuse in all capital projects, new uses for unused reclaimed water (like indoor commercial use), and onsite water reclamation	599	- Reclaim 62,234 gal of water (5% of City Hall indoor usage)
TOTAL GHG Emission Reductions			6,353	
Target GHG Emission Reductions			5,920	
Target Met?			Yes	

SOLID WASTE REDUCTION

#	Title	Recommendation	GHG Reductions	Notes
1	Zero Waste Plan	Implement a Zero Waste Plan in order to increase diversion rates	32,026	- 75% diversion rate by 2020
2	Zero Waste Business Certification	Develop a Zero Waste Certification program to assist and recognize local businesses	NA	- Incorporate into Zero Waste Plan
3	Zero Waste Events	Transition municipal and community events to be zero waste	NA	- Incorporate into Zero Waste Plan
4	Building Material Reuse	Promote building deconstruction and related material reuse	NA	- Incorporate into Zero Waste Plan
5	State Legislation	Support and implement pending state legislation related to single-use plastic bag bans, commercial green waste generators, and alternative daily compliance modifications	NA	- Incorporate into Zero Waste Plan
TOTAL GHG Emission Reductions			32,026	
Target GHG Emission Reductions			15,058	
Target Met?			Yes	

RENEWABLE & EFFICIENT ENERGY

#	Title	Recommendation	GHG Reductions	Notes
1	Efficiency Education	Create or enhance audience-specific (ex. DIY, Boomers, & Millennials) energy efficiency education & messaging (potential topics include loading order, comfort, financing, and permit benefits)	1,936	- Engage 5% of households (~3,750) annually with EE information
2	Energy Retrofit Ordinances (RECO/CECO)	Develop a residential & commercial energy conservation ordinance requiring upgrades at a point in time (not at point of sale)	8,799	- Retrofit 10% of SF & NR (by Sqf) and 15% of MF to reduce energy use by 30% & 20% , respectively.
3	Renewable Energy on New Construction	Require renewable energy (Solar PV) on new homes and businesses	9,259	- Install 40 MW (20MW SF & NR each) thru 1kW per unit average
4	Cool Roofs	Expand standards for incorporating "cool roofs" into building codes for new construction and re-roofs in all climate zones	115	-----
5	Increase Green Energy	Provide higher percentage of grid-delivered renewable energy through Community Choice Aggregation (or other mechanism)	51,095	- Enroll 80% of population in 50% RE & 10% in 100% RE
6	Urban Forest	Plant shade trees to save energy and address urban heat island effect	7,278	- Expand Urban Tree canopy cover from 10% to 15% (no current funding identified)
7	Commercial Retro-Commissioning	Launch a retro-commissioning incentive (monetary) program for commercial buildings	1,084	- Reach 20% of total commercial building sq ft (no current funding identified)
8	Energy Rating	Require energy performance ratings for all homes (SF & MF) at a point in time (not at time of sale)	NA	- Energy rating must include energy audit
9	Green Leases	Facilitate the use of "Green Leases" for commercial buildings that address energy data/disclosure and split incentive issues	NA	-----
10	Streamline & Enforce Permits	Streamline permit process, minimize fees for energy-saving upgrades, and increase enforcement to reduce the rate of noncompliance	NA	- Provide over the counter permits & bundle energy efficiency permits (no current funding for reduced fees or

				increased enforcement identified)
11	Tax Breaks for Solar	Establish a City tax credit or rebate for installing Solar PV panels	NA	- No current funding identified
12	City Solar	Leverage City resources to promote renewable energy in the private sector	NA	- Allow developers to bundle projects and install on City owned land to comply with PV requirement (#3)
13	Energy Inspections	Work with home inspectors to include energy related issues in their inspection of homes	NA	-----
14	Local Energy Programming	Work with utilities through franchise agreements to provide local energy efficiency programming	NA	-----
TOTAL GHG Emission Reductions			79,566	
Target GHG Emission Reductions			97,493	
Target Met?			No	

SMART GROWTH & ALTERNATIVE TRANSPORTATION

#	Title	Recommendation	GHG Reductions	Notes
1	Public Transit Ridership	Leverage areas around trolley stations and other transit nodes to increase public transit use	14,190	- Reach 6.9% commuter ridership level (currently 5.7%)
2	Complete Streets	Implement “Complete Streets” policies through the Bicycle and Pedestrian Master Plans and Capital Improvement Projects	2,383	- Increase Bicycle Lane Miles/Square Mile ratio to 4 (currently 1.1) and install 5 roundabouts
3	Higher Density in Smart Growth Areas	Encourage and maintain Smart Growth areas that allow for greater commercial and residential density (291	- Increase density by 13% compared to 2010 (Density increase reflects current adopted GP densities)
4	Mixed-Use & Complete Neighborhoods	Encourage and support mixed-use development in appropriate locations that provides convenient access to services (i.e. “Complete Neighborhood” communities)	12,141	- Reduce average commute length by 1 mile (reduce VMT by 15 million)
5	Transportation Demand Mgmt	Facilitate commuter benefit programs, such as telecommuting, alternative work schedules, and vanpooling), in coordination with SANDAG, businesses, and developers	8,134	- Alternate Work Schedule: Increase participation to 5%. - Telework: 10% of eligible workforce telecommutes 2 days per week. - Van Pooling: increase vanpool ridership to 3% and size to 10 people
6	Preferred Parking Spaces	Designate preferred on- and off-street parking spaces for carpool and high efficiency/alternative fuel vehicles	5,266	- Increase number of reserved spaces for EVs or other high efficiency/alternative vehicles to 10% (currently 0%)
7	Synchronize Traffic Signals	Improve traffic flow by synchronizing all traffic signals along arterial roadways	1,418	- Synchronize 25 traffic signals
8	Subsidized Transit Passes	Provide subsidized transit passes in the community	5,347	- 10% of labor force receiving a \$52 subsidy (no current funding identified)
9	Flexible	Allow flexibility in meeting commercial and multi-family	NA	-----

	Parking Requirements	parking requirements in exchange for incorporating alternative transportation approaches such as Transportation Demand Mgmt offerings, bike facilities, and transit access		
10	Alternative Fuel Infrastructure	Promote and install fueling stations for alternative fuel vehicles to support local use and extended regional travel	NA	-----
11	EV Ready Buildings	Design new homes and commercial buildings to be “EV Ready” with the appropriate electrical box capacity and conduit	NA	- Wiring not required
12	Multi-Modal Growth Thresholds	Amend the Growth Management Ordinance to include considerations for alternative mode options (not just vehicular Level of Service)	NA	-----
13	Transportation Sharing	Promote and expand bike sharing, car sharing, and other “last mile” transportation options, especially in eastern area	NA	-----
TOTAL GHG Emission Reductions			49,170	
Target GHG Emission Reductions			66,570	
Target Met?			No	